

Synthetic Somatostatin Polypeptide

Cat. No. SST-02 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Synthetic peptide of SST with Cys3-Cys14. Molecular Formula: C ₇₆ H ₁₀₄ N ₁₈ O ₁₉ S ₂ . Disulfide Bridge: Cys3-Cys14.
Description	The hormone somatostatin has active 14 aa and 28 aa forms that are produced by alternate cleavage of the single preproprotein encoded by this gene. Somatostatin is expressed throughout the body and inhibits the release of numerous secondary hormones by binding to high-affinity G-protein-coupled somatostatin receptors. This hormone is an important regulator of the endocrine system through its interactions with pituitary growth hormone, thyroid stimulating hormone, and most hormones of the gastrointestinal tract. Somatostatin also affects rates of neurotransmission in the central nervous system and proliferation of both normal and tumorigenic cells.
Form	Lyophilized
Molecular Mass	1637.88
AA Sequence	AGCKNFFWKFTFTSC
Purity	> 95%
Notes	Somatostatin is a hypothalamic polypeptide that inhibits the secretion of immunoreactive pituitary growth hormone.
Storage	Store the peptide at -20 centigrade.

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Reconstitution

The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.

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